

MP3 PERSONAL CD PLAYER with 45 SECOND DIGITAL ANTI-SKIP PROTECTION

OWNER'S MANUAL HD7088

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## BEFORE WE BEGIN

Thank you...
For purchasing this state-of-the-art Emerson personal CD player with MP3 decoder. In addition to normal audio CD's, this player will also read discs that have been recorded in CD-R, CD-RW, and compressed MP3 formats. It has an electronic anti-skip memory of 45 seconds for normal CD's and up to 120 seconds for MP3 encoded CD's. Since MP3 CD's can hold up to 10 hours of recorded music, this player allows you to search an MP3 CD by File, by Directory, or even by individual song title. The large, 2 -line scrolling text display, and alpha-numeric keypad make all operations clear and simple. Digital quality, lightweight stereo headphones, and an AC adapter, are included.
Please read this manual carefully and completely to make sure you get the maximum enjoyment from all the features included in this high tech CD player and keep this manual for future reference.
The serial number of your unit is located on the bottom cabinet. Please record the serial number in the space below for future reference. Model No. HD7088 Serial No.

## SAFETY PRECAUTIONS

## DANGEROUS VOLTAGE

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. ATTENTION
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
DANGER:
This product utilizes a Class 1 laser to read Compact Discs. This This product utilizes a Class 1 laser to read Compact Discs. This aser Compact Disk Player is equipped with safety switches to avoid exposure when the CD door is open and the safety interlock are defeated. Invisible and hazardous laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam Please do not attempt to defeat or bypass the safety switches.

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CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

- Do not open the CD compartment while the CD is rotating.
- Always keep the CD compartment closed when not in use.
- Keep all foreign objects out of the CD compartment.
- Place the unit on a stable surface
- Avoid installing the unit is locations described below:
- Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
- On top of other stereo equipment that radiates too much heat.
- Placed lacking ventilation or dusty places.
- Places subject to constant vibration.
- Humid or moist places.


## INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Many of the buttons have dual functions, meaning they will perform one function in the Normal mode and a different function in the Search mode. The descriptions on the following page will indicate the function while in the Normal mode, followed by the function in the File Search mode (if applicable).
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## INSTALLATION

This CD player can be powered by either 2 " $A A$ " batteries or the provided AC adapter.

## AC Operation

To operate the unit using AC power, connect the AC adapter (included) to the DC4.5V jack on the rear of the CD Player and to a wall outlet having $120 \mathrm{~V}, 60 \mathrm{~Hz}$ AC only. The batteries are automatically disconnected when the AC adapter is used.
CAUTION: Use only the AC adapter provided with this unit. Disconnect the adapter when not in use.

## Battery Installation

Batteries need to be replaced when "LOW
BATTERY" appears in the display. Fresh Alkaline batteries will last approximately 7 hours with Anti-
Skip off, and 6 Hours with Anti-Skip on

1. Open the battery compartment door on the bottom of the unit by sliding it out and then
lifting it. To preve losing the cover, it cannot be removed.
2. Insert two (2) "AA" batteries (not included) according to the polarity diagram. Alkaline batteries are recommended for longer playing time.

## BATTERY PRECAUTIONS

Follow these precautions when using batteries in this device:

1. Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
2. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
3. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions.)

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## INSTALLATION (CONTINUED)

Playback Through a Home Audio System:
By using a home audio connection cable, superb CD sound can be heard through your home audio system. Before making any connections, turn off the power to all equipment.
Plug a connection cable (not included) between the LINE OUT jack on the side of the CD player and the amplifier's CD or AUX input jacks. (Do not connect it to the amplifier's PHONO jacks.)
NOTE: If the CD player interferes with TV or radio reception, move the CD player away from the TV or radio or turn off the power to the CD player.

## Headphones:

Connect the supplied headphones into the green PHONES (Headphones) jack.

Use your common Sense when using headphones:

- Hearing Safety: Do not play your unit at high volume. Hearing experts advise against continuous extended play. If you experience a ringing in your ears, reduce the volume or discontinue use.
- Traffic Safety: Do not use while operating a motor vehicle. It may create a traffic hazard and it is illegal in many areas. You should use extreme caution or temporarily discontinue use in potentially hazardous situations. Even if your headset is an open-air type designed to let you hear outside sounds, do not turn up the volume so high that you can't hear what's around you.

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## OPERATION

TO INSERT AND PLAY A CD
This CD player is designed to play all kinds of Audio Discs and MP3 CD ROMS, such as CD recordables and rewritables. Do not try to play CDI, CDV, DVD or computer CDs.


Press the PLAY/PAUSE button to begin playback; the current track and elapsed playing time (and folder, if using MP3) will appear in the display.


Adjust the VOLUME control 19 and

When the disc is through playing, it will stop. Press the STOP button to stop the disc before it is finished. Press the STOP button again to turn the unit off.
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## OPERATION (CONTINUED)

CD PLAYBACK NOTES:

- See page 15 for more information on MP3's.
- When recording ("burning") CDs, make sure the session is "finalized", or simply record ("burn" only one session). You can find more information on "finalizing" in your CD recorder's manual.
- This unit is capable of playing standard CDs or 3 " singles; no adapter is required.
- If a disc is inserted incorrectly, dirty, damaged or not present at all, "no disc" will appear in the display.
- If a disc is not recorded properly, "disc error" will appear in the display.
- Playback will stop when you open the CD compartment, but it is not recommended to open the compartment before the STOP button is pressed.
- If there is no activity for 60 seconds, the unit will turn itself off to save the batteries.
- It may take 10 to 30 seconds for the player to read an MP3 CD and begin playback, depending on the number of tracks burned on the CD.


## CD PAUSE CONTROL



During CD playback, if you wish to pause the disc momentarily, press the PLAY/PAUSE button. Playback stops but the disc continues to spin and the elapsed time flashes in the Display.


Press the PLAY/PAUSE button again to release Pause and resume playback. The sound returns and the elapsed time in the Display stops flashing.
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## OPERATION (CONTINUED)

TO BEGIN PLAYBACK FROM A SPECIFIC TRACK


After you insert the disc into the CD player and the total number of tracks appear on the display, you may press either the SKIP/SEARCH + or - buttons to select a specific track for playback.


When the desired track number (and file number if using MP3) appears in the display, press the PLAY/ PAUSE button. Playback will begin with the track (or file) you selected.

FORWARD/REVERSE SKIP TRACK


During playback, press and release the SKIP/SEARCH + button once to advance the player to the beginning of the next track. Press the SKIP/SEARCH + button repeatedly to advance the player to higher number tracks.


During playback, press and release the SKIP/SEARCH - button once to move the player back to the beginning of the currently playing track. Press the SKIP/SEARCH button repeatedly to move the player back to lower numbered tracks.

## OPERATION (CONTINUED)

HIGH-SPEED MUSIC SEARCH



To repeat a single track, press the PLAY MODE button © once; "REP 1" will appear in the display. Press the SKIP/ SEARCH + or button (2) to select the specific track that you wish to repeat.


When the desired track number appears in the display, press the PLAY/PAUSE button (1) to begin playback. The specific track you selected will be repeated continuously. To cancel Repeat playback, press the PLAY MODE button (2) repeatedly until the mode indicator disappears.

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## OPERATION (CONTINUED)

REPEAT PLAYBACK OF ALL TRACKS ON A CD


To repeat all the tracks on the CD, press the PLAY MODE button twice; "REP A" will appear in the display.


Press the PLAY/PAUSE button (1) to begin playback. All tracks on the disc will be repeated continuously. To stop Repeat playback, press the PLAY MODE button (2) repeatedly until the mode indicator disappears.

REPEAT PLAYBACK OF A FOLDER (MP3 ONLY)

To repeat all files in a directory (MP3 CD only), press the PLAY MODE button (1) 3 times; "REP D" will appear in the display. Press the SKIP/ SEARCH + or button (2) to select the specific folder that you wish to repeat.


Press the PLAY/PAUSE button (1) to begin playback. All files in the selected directory will be repeated continuously. Press the PLAY MODE button (2 repeatedly until the mode indicator disappears to stop Repeat playback.. See page 15 for more info on MP3 format.

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## OPERATION (CONTINUED)

INTRO PLAYBACK (Will play the first $\mathbf{1 0}$ seconds of each track)


While in the Stop mode, press the PLAY MODE button 3 times (4 times if an MP3 CD with multiple directories is inserted); "INT" will appear in the display.


Press the PLAY/PAUSE button (1) to begin Intro playback. The first 10 seconds of all tracks on the disc will be played in sequence. Press the STOP button (2) to stop Intro playback.

TO RANDOMLY PLAY BACK A CD


Press the PLAY/PAUSE button (1) to begin playback. The unit will play all the tracks in random order. When all the tracks have been played, the unit will stop. Press the STOP button (2) to stop Random playback.



## OPERATION (CONTINUED)

TO PROGRAM THE MEMORY (UP TO 24 TRACKS)
Programming is the ability to preselect the order in which a series of tracks will be played.


While in the Stop mode, press the PROGRAM button. The track number will blink and " $P$ $01 "$ will appear in the display. If using a MP3 disc, see the note on page 14.


Within 10 seconds, select a track to be programmed by directly entering it. For example, press PLAY/ PAUSE/1 © and STOP/2 © to enter in track number 12

NOTE: If an error is made while programming, hold the DISPLAY/CLEAR button for 2 seconds to clear it.


Press the FILE SEARCH/ ENTER button 10 again to finalize the program. Press the PLAY/PAUSE button (2) to begin program playback.

See the top of the following page for notes on Program playback.
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## OPERATION (CONTINUED)

NOTES ON PROGRAM PLAYBACK

- MP3: If an MP3 CD is inserted, you will first select the directory number in step 1, and then the file.
- You can review the program by pressing the PROGRAM, then the SKIP/SEARCH button when playback is stopped.
- If you press the PROGRAM button, but do not enter a file number within 10 seconds, the player exits the Program mode and returns to the Normal mode.
- Press the REPEAT button twice during program playback to repeat the program repeatedly until the STOP button is pressed.
- Press the STOP button to stop and cancel the program before it is finished.
- Each file may be stored in the program memory as many times as desired (up to 24 files).
- If an error is made while programming or searching, hold the DISPLAY/CLEAR button for 2 seconds.
- If an error is made while programming, hold the DISPLAY/CLEAR button for 2 seconds to clear it.


## ELECTRONIC ANTI-SKIP PROTECTION

This feature protects against loss of sound caused by vibrations and shocks. Continuous playback is ensured once some of the music has been stored into memory.
ESP will automatically be activated when listening to standard or MP3 CDs. You cannot deactivate ESP while listening to an MP3 CD. However, you can deactivate it when playing a standard CD by simply pressing the ANTI-SKIP button; the ESP indicator will disappear from the display. Deactivating the ESP will conserve battery life.

## RESUME

This will allow you to resume playback of a CD that was previously stopped. If you stopped a CD in the middle of playing, simply press the RESUME button and the CD will continue at the start of the last played track location where the CD was stopped.



## OPERATION (CONTINUED

## MP3 FAQs - Frequently Asked Questions

## Please read before playing an MP3 CD.

Can the HD7088 read CD-RW (Rewriteable CDRs)?
Yes it can. However, you must reformat the CD-RW every time you want to record new group of MP3 files. No multi-session recording allowed.
Can the HD7088 read regular music CDs? Yes it can. However you can not mix MP3s and WAV files on the same CD. If you do this your Portable MP3 CD Player will play only the MP3 files.
Does the HD7088 have Anti-Skip Protection built-in? Yes it has a 45 seconds Anti-Shock buffer. What it means for everyday user is that it can withstand road bumps, shaking, etc. There will be no skipping when you jog, or run on a tread mill or drive on a bumpy road.

Can I use the MP3 extension for non-audio data files? No, this may result in serious malfunction and harmful noise interference.
Can I mix MP3 files with other file types on the CDR?
Yes, but your Portable MP3 CD Player will ignore those files and read only the MP3 files on the CDR.

Does the HD7088 support multi-session CDRs?
Yes, it does but you will not be able to play the tracks outside the first session.

Does the HD7088 support subdirectories (subfolders)?
Yes, the HD7088 can read MP3 files from subfolders.
What appears on the display when playing back MP3 CDs??
The album, title and artist (it sets when MP3 was recorded).


## OPERATION (CONTINUED)

## MP3 FAST TRACK (DIR.) SELECT

If an MP3 CD with or without Multiple Directories is inserted,
you can directly enter the desired file number as follows:


MP3 FAST FILE SELECT
If an MP3 CD with Multiple Directories is inserted, you can
directly enter the file number as follows


Select a file by directly entering it. For example, press STOP/2 (1) to enter in directory number 2. Press the ENTER button (2) to begin playback of that directory.
Display the total file and track numbers by pressing the FILE/DIR. three times.

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## OPERATION (CONTINUED)

MP3 SELECTING FILES BY NAME
You can search for a file by name, using the letter buttons to enter the name of the song.

First, press the FILE SEARCH/ENTER button, followed by the appropriate letters to enter the name of the file. Remember that each letter button can enter 4 or 5 letters/numbers depending on the number of times you press the button. If you press the 1ABC button once, the number " 1 " appears. Press twice for " $A$ ", 3 times for " $B$ " and 4 times for " $C$ ". For example, if the first word in the song title is "Funny", you would enter the word "Funny" on the display as follows:


## MP3 SELECTING DIRECTORIES BY NAME

You can search for a directory by name by following the same procedure as the MP3 SELECTING FILES BY NAME section on pages 17 and 18, but press the FILE SEARCH/ENTER button twice.

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When done entering the name, press the FILE SEARCH button once again and the player will search for the name. Once found, playback will begin automatically.
To insert a space between 2 words in a name, press the 9/SPACE button twice.
It may not be necessary to enter the entire name to select the song After entering the first few letters as describe above, press the FILE name that begins with those letters and playback begins automatically. If the player finds more than one name that begins with the same letters, the display will flash. If this occurs, you must continue entering letters until the player can identify the specific name you are looking for. NOTES:

- The maximum number of letters that can be entered is 6 .
- The maximum number of files that can be located by name is 99 .


## OPERATION (CONTINUED)

SINGLE SESSION
The following chart is an example of a Windows Explorer display that will appear on your computer monitor for a single session MP3 CD ROM with Files/Directories. Check the added notes to help you understand the MP3 CD unit display and the playback sequence of Files/Directories and tracks on a single session MP3 CD.


See the following page for notes regarding this diagram.
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## OPERATION (CONTINUED)

ABOUT THE DIAGRAM ON THE PREVIOUS PAGE:

- The arrow pathway shows the sequence of MP3 directory and file playback.
- When the MP3 CD is inserted into the CD player, the Display will appear as the following figure.

> | Welcome | MP3 |  |
| :--- | :--- | :--- |
| 05 | 010 | MP3 |

The " 05 " represent the total files and "010" represents the total directories.

- When an album contains mixed format files, the non-MP3 files will be skipped.


## SPECIFICATIONS

MPEG Rate $\qquad$
Sampling frequency $16 \mathrm{KHz}, 22.05 \mathrm{KHz}, 24 \mathrm{KHz}$ $32 \mathrm{KHz}, 44.1 \mathrm{KHz}, 48 \mathrm{KHz}$
MPEG1,2. ......................Layer 2,3
MP3 Playback ISO9660 format compatible
Max. File Support...................Album (File) 99, Track (Dir.) 300

Check the CD burner/recorder's documentation to see if it complies with these specifications.

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## What does your warranty not cover?

Ordinary adjustments which you can perform as outlined in the owner's manual

- Signal reception problems caused by external antenna or cable systems.
Products purchased, used, serviced, or damaged outside of the United States.
- Damage to compact discs or cassettes

What other limitations apply to your warranty ?
HIS WARRANTY IS NON-TRANSFERABLE AND APPLIES ONLY TO
THE ORIGINAL PURCHASER AND DOES NOT EXTEND TO
SUBSEQUENT OWNERS OF THE PRODUCT. THIS WARRANTY IS VALID ONLY IN THE UNITED STATES OF AMERICA. ANY APPLICABLE MPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED IN DURATION TO A PERIOD OF THE EXPRESSED WARRANTY AS PROVIDED ABOVE BEGINNING WITH THE DATE OF ORIGINAL PURCHASE AT RETAIL AND NO WARRANTIES, WHETHER EXPRESSED OR IMPLIED, SHALL APPLY TO THE PRODUCT THEREAFTER. WE MAKE NO WARRANTY AS TO THE FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE OR USE.

THE EXTENT OF OUR LIABILITY UNDER THIS LIMITED WARRANTY IS THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND IN NO EVENT WILL OUR LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE PURCHASER OF THE PRODUCT. UNDER NO CIRCUMSTANCES WILL WE BE LIABLE FOR ANY LOSS, DIRECT, INDIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGE ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS PRODUCT

How does state law apply to your warranty ?
THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, BUT YOU
MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. SOME STATES DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES OR EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGE, SO THESE RESTRICTIONS MAY NOT APPLY TO YOU

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